

Abstract

10 A layered textile composite product is disclosed which may include
a nonwoven needled layer. The nonwoven needled layer is comprised of
mechanically interlocked staple fibers which are needled together on a
needle punch machine and then bonded with an adhesive layer to a
polymeric or polyolefin film layer. The overall layered textile product may
15 be used in several different applications, including for example in
automobiles for seating, load floor, trunk linings, floor carpeting, door
panel trim, and other interior trim applications.